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PATENT
Attorney Docket No.: 67686/00-602
FORM 1449
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FORM PTO-1449 (Modified) INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Attorney Docket No.: 67686/00-602	
	Applicant(s): De la Fuente et al.	
	Title: Immunoprotective recombinant antigen from anaplasma marginale, vaccine compositions and methods of use	
	Serial No. 10/002,636	Filing Date: 10/26/2001
	Group: 1653 1645	Examiner: Unknown


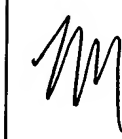

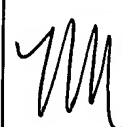

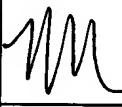

U.S. PATENT DOCUMENTS


Examiner Initials		Document No.	Date	Name	Class	Subclass
M	AA	6,025,338	02/15/2000	Barbet et al.	514	44
M	AB	5,869,335	02/09/1999	Munderloh et al.	435	348
M	AC	5,798,219	08/25/1998	Knowles et al.	435	7.93
M	AD	5,549,898	08/27/1996	McGuire et al.	424	269.1
M	AE	4,956,278	09/11/1990	Hart et al.	435	30

FOREIGN PATENT DOCUMENTS

Examiner Initials		Document No.	Date	Name (Inventors)	Class	Translation Yes / No
AF						




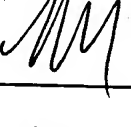



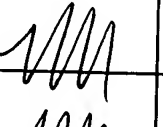

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3/14/03


Examiner Initial		(Including Author, Title, Date, Pertinent Pages, Etc.)
	AP	McGarey DJ, Barbet AF, Palmer GH, McGuire TC, Allred DR. Putative adhesins of <i>Anaplasma marginale</i> : major surface polypeptides 1a and 1b. Infect Immun 1994; 62: 4594-4601.
	AQ	Munderloh UG, Blouin EF, Kocan KM, Ge NL. Establishment of the tick (Acari: Ixodidae)-borne cattle pathogen <i>Anaplasma marginale</i> (Rickettsiales: Anaplasmataceae) in tick cell culture. J Med Ent 1996; 33: 656-664.
	AR	Oberle SM, Palmer GH, Barbet AF, McGuire TC. Molecular size variations in an immunoprotective protein complex among isolates of <i>Anaplasma marginale</i> . Infect Immun 1988; 56: 1567-1573.
	AS	Palmer GH, Barbet AF, Cantor GH, McGuire TC. Immunization of cattle with the MSP-1 surface protein complex induces protection against a structurally variant <i>Anaplasma marginale</i> isolate. Infect Immun 1989; 57: 3666-3669.
	AT	Palmer GH, McElwain TF. "Molecular basis for vaccine development against anaplasmosis and babesiosis." Vet Parasitol: 1995; 57: 233-253.
	AU	Palmer GH, Waghela SD, Barbet AF, Davis WC, McGuire TC. Characterization of a neutralization-sensitive epitope on the AM 105 surface protein of <i>Anaplasma marginale</i> . J Parasitol 1987; 17: 1279-1285.
	AV	Viseshakul N, Kamper S, Bowie MV, Barbet AF. Sequence and expression analysis of a surface antigen gene family of the rickettsia <i>Anaplasma marginale</i> . Gene 2000; 253: 45-53.

EXAMINER	DATE CONSIDERED
	<p style="font-size: 1.2em;">3/14/03</p>

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance. Include copy of this form with next communication to applicant.

OTHER ART

Examiner Initial		(Including Author, Title, Date, Pertinent Pages, Etc.)
	AG	Allred DR, McGuire TC, Palmer GH, Leib SR, Harkins TM, McElwain TF, Barbet AF. Molecular basis for surface antigen size polymorphisms and conservation of a neutralization-sensitive epitope in <i>Anaplasma marginale</i> . Proc Natl Acad Sci USA 1990; 87: 3220-3224.
	AH	Barbet AF, Blentlinger R, Jooyoung Y, Lundgren AM, Blouin EF, Kocan KM. Comparison of surface proteins of <i>Anaplasma marginale</i> grown in tick cell culture, tick salivary glands, and cattle. Infect Immun 1999; 67: 102-107.
	AI	Barbet AF, Palmer GH, Myler PJ, McGuire TC. Characterization of an immunoprotective protein complex of <i>Anaplasma marginale</i> by cloning and expression of the gene coding for polypeptide AM 105L. Infect Immun 1987; 55: 2428-2435.
	AJ	Blouin EF, Barbet AF, Jooyoung Y, Kocan KM, Saliki JT. Establishment and characterization of an Oklahoma isolate of <i>Anaplasma marginale</i> in cultured <i>Ixodes scapularis</i> cells. Vet Parasitol 1999; 87: 301-313.
	AK	Blouin EF, Kocan KM. Morphology and development of <i>Anaplasma marginale</i> (Rickettsiales: Anaplasmataceae) in cultured <i>Ixodes scapularis</i> (Acari: Ixodidae) cells. J Med Entomol 1998; 35: 788-797.
	AL	De la Fuente J, Garcia-Garcia JC, Blouin EF, Kocan KM. Differential adhesion of major surface proteins 1a and 1b of the ehrlichial cattle pathogen <i>Anaplasma marginale</i> to bovine erythrocytes and tick cells. Int. J. Parasitol. 2001; 31: 145-153.
	AM	De la Fuente J, Van Den Bussche RA, Kocan KM. Molecular phylogeny and biogeography of North American isolates of <i>Anaplasma marginale</i> (Rickettsiaceae: Ehrlichieae). Vet Parasitol 2001; 97: 65-76.
	AN	Kocan KM, Blouin EF, Barbet AF. Anaplasmosis control: past, present and future. Ann NY Acad Sci, 2000; 916: 501-509.
	AO	McGarey DJ, Allred DR. Characterization of hemagglutinating components on the <i>Anaplasma marginale</i> initial body surface and identification of possible adhesins. Infect Immun 1994; 62: 4587-4593.

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